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(54) WATER PURIFYING CARTRIDGE

(57)Abstract:

PURPOSE: To prevent the lowering of filtering efficiency caused by the volumetric change, in a water purifying cartridge wherein the space between inner and outer filters each formed from a cylindrical porous material is packed with a filter medium such as activated carbon, by providing a cylindrical projection to the inner surface of at least one of the lid members closing both end parts of the inner and outer filters.

CONSTITUTION: A cartridge main body 1 is constituted by almost concentrically inserting and arranging outer and inner filters 5, 6 formed from cylindrical porous materials different in diameter in a bottomed cylindrical outer case 3 so as to leave an interval becoming a water passage and closing both ends of the inner and outer filters 6, 5 by water impermeable lid members 8, 9 and packing the space between the inner and outer filters 6, 5 with a filter medium 10 formed from granular or powdery activated carbon. In this case, a large number of cylindrical projections 11... are provided to the inner surface of at least one lid member 8 in a concentric circular state. By this constitution, even when a gap 16 is generated on the inside of the lid member 8 by the volumetric change of the filter medium 10 caused by vibration, water can be guided to the filter medium 10 by the projections 11....

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